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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/676,512	10/01/2003	Blair Birmingham	00100.03.0004	8531
29153 7590 02/03/2011 ADVANCED MICRO DEVICES, INC. C/O VEDDER PRICE P.C. 222 N.LASALLE STREET CHICAGO, IL 60601				
EXAMINER				
RAHMAN, FAHMIDA				
ART UNIT		PAPER NUMBER		
2116				
MAIL DATE		DELIVERY MODE		
02/03/2011		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/676,512

**Applicant(s)**

BIRMINGHAM, BLAIR

**Examiner**

FAHMIDA RAHMAN

**Art Unit**

2116

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 24 November 2010.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,2,4-6,8,10,12-14,16,18-22 and 24-29 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1,2,4-6,8,10,12-14,16,18-22,24, 26-27, 29 is/are allowed.
- 6) ☒ Claim(s) 25 is/are rejected.
- 7) ☒ Claim(s) 28 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB-08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date: \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

1. This is in response to communications filed on 11/24/10.
2. Claims 25 and 28 have been amended.
3. Claims 3, 7, 9, 11, 15, 17, 23 have been cancelled, and no new claims have been added.
4. Claims 1-2, 4-6, 8, 10, 12-14, 16, 18-22 and 24-29 are pending.

### **Claim Objections**

5. Claim 28 is objected to because of the following informalities:

For claim 28, "the remote device connection system" recited in line 15 should be changed with "the remote connection system" as line 1 recites "A remote connection system".

Appropriate correction is required.

### **Claim Rejections - 35 USC § 103**

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claim 25 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wu (US Patent 7058739), in view of Young (US Patent 6963935).

For claim 25, Wu teaches the following limitations:

A remote connector (12 and 14) comprising:

- a power supply input receiver operably coupleable to a power source (102) and being capable of receiving a power supply for powering the remote connector (Fig 1 shows that 12 and 14 receive power supply from 102; lines 5-25 of column 3), wherein the remote connector is operably remote with respect to a computing system (12 and 14 are remote with respect to computing system 10);
- a plurality of ports, each of the plurality of ports capable of receiving a peripheral component (Fig 1 shows that hub 12 receives plurality of peripheral devices 13a-13d through corresponding ports; lines 10-13 of column 3) for communication with the computing system (lines 4-9 of column 3);
- a wireless receiver capable of wirelessly receiving a wireless command (Fig 1 shows that 14 receives wireless command) from a remote device (16-18 in Fig 1);
- and a transmitter (144, 142 in Fig 1) capable of generating a wake-up command in response to the wireless command (line 65, column 3 through line 6, column 4 mention that controller sends signals to the host to raise power) and capable of

providing the wake-up command through an input/output interface (11b) to a remote processing unit (10) operably coupleable to the remote connector (Fig 1).

Wu does not teach the following limitations:

- the power supply input receiver is coupleable to a non-bus power source

In addition, for Wu's remote connector (i.e., combination of 12 and 14), one hub in Wu shown in Fig 1 does not have both physical and wireless interface. Young et al teach a system where hub has interface for both physical peripheral devices and wireless device (Fig 1; lines 5-10 of column 3 mention that peripherals can be wireless; Fig 2; thus, the hub can comprise interface for both wireless and physical devices). In addition, Young's hub has non-bus power source (lines 15-30 of col 4).

It would have been obvious for one ordinary skill in the art at the time the invention was made to combine the teachings of Wu and Young. One ordinary skill would be motivated to interface devices 13a – 13d with 14 as taught in Young, since this will remove extra hub 12, which will save space and provides easier configuration. One ordinary skill would be motivated to provide non-bus power supply for back-up protection.

#### **Allowable Subject Matter**

6. Claims 1-2, 4-6, 8, 10, 12-14, 16, 18-22, 24, 26-27, 29 are allowed.

Claim 28 would be allowable if rewritten or amended to overcome the claim objections, set forth in this Office action.

### **Response to Arguments**

7. Applicant's arguments regarding claim 25 has been fully considered, but are not persuasive.

Regarding claim 25, applicant argues that limitations similar to claim 1 have been incorporated. As claim 1 is allowed, claim 25 should be allowed for similar reasons.

Examiner disagrees. Claim 25 does not require wake-up command to be generated **for remote processing unit**, which claim 1 requires. Wu teaches a transmitter (144, 142 in Fig 1) capable of generating a wake-up command in response to the wireless command (line 65, column 3 through line 6, column 4 mention that controller sends signals to the host to raise power) and capable of providing the wake-up command through an input/output interface (11b) to a remote processing unit (10) operably coupleable to the remote connector (Fig 1), as required by claim 25.

### **Conclusion**

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a). A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the

event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fahmida Rahman whose telephone number is 571-272-8159. The examiner can normally be reached on Monday Tuesday Thursday 8:30 - 5:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Lee can be reached on 571-272-3667. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Art Unit: 2116

/Fahmida Rahman/  
Examiner  
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/Thomas Lee/  
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